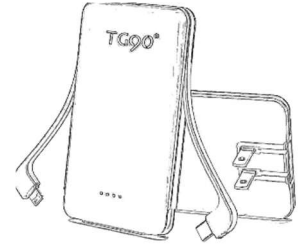


Powering ON

- 1) Charging Cube and cable (*120 VAC source available*)
 - a) Connect the provided USB-A connector to the charging cube and plug into 120 VAC power source.
 - b) Connect the USB C end of the cable to the 5V input on the BS14.
Note* No data connection on USB port
- 2) Power Bank Instructions (*120 VAC source unavailable*)
 - a) Click power button once
 - b) Hold down for about 7 seconds or until lights blink across individually
 - c) This enters the bank into low power mode. Lights should intermittently blink. **Note*Powerbank will power down after 30 seconds if low power mode is NOT enabled, this must be done every time.**
 - d) Plug USB C cable built into power bank (hidden on bottom, see picture) to the 5V input on the BS14.
 - e) Double click to turn off power bank.
 - f) Charge power bank with wall outlet attachment plugs on the back of the power bank or by plugging in a USB C cable to receptical.



Front Controls

- 1) Red and Green light buttons operate the breaker
- 2) Holding button will force that position and allow testing of breaker fail
- 3) The “69” permissive switch mimics the switch on the tank of many recloser breakers
 - a) The “UP” position allows for normal operation
 - b) The “Down” position forces the mechanism open and opens the close signal path

Sense Output

- 1) The sense is a dry contact
- 2) Switchable between “a” and “b” contact. Shipped in “a” position.
- 3) When switching between “a” or “b” position move both jumpers on the circuit board near the sense fuse.

Current Inputs

- 1) The 14 pin interface pins G, H, J are non-polarity inputs I1, I2, I3
- 2) Pin K is polarity of the residual connection
- 3) See the specific relay manuals for connection details
- 4) The phase designation is generally programmable in the relay

Potential Inputs

- 1) The 14 pin interface does not include potential connections. Potential inputs must be made directly to the relay

Breaker Time

- 1) The operating time of the simulator should be initially measured by timing a manual trip and close of the breaker.
- 2) All relays have different de-bounce times as well as input and output delays
- 3) Most relays process signals at regular intervals, like 0.25 cycle, etc. Where the signal is initiated in the cycle can cause variations in time.
- 4) The open and close time should be calibrated separately

Fusing:

- Current Inputs – 10 A fuses
- Sense Output – 1 A fuse
- Trip and Close Inputs – 500 mA fuses

For questions:

Contact Andi: 509-961-2744 or inquires@relport.com

Visit Relport.com